

Alexander's POTA SOP & Battle Card

**Customized for TX-500, IC-705, FX-4CR, EFHW/49:1, Random
Wire/9:1, Portable Operations**

Mission Objective

Deploy rapidly, establish a reliable station, complete activation, and recover all equipment without leaving gear behind.

Tier 1 – Pocket Activation

- HT
- Spare battery
- Roll-up antenna
- Headset
- Water
- Phone

Tier 2 – Grab & Go Pelican

- Radio
- LiFePO4 battery
- Antenna
- Feedline
- Counterpoise
- Analyzer
- iPad
- Headset
- Adapters
- Food & water

Tier 3 – Full Deployment

- Everything in Tier 2 plus mast, table, chair, laptop, spare antennas, shelter, extended batteries

Pre-Departure Checklist

- Radio programmed and tested
- Battery charged
- Antenna inspected
- Coax packed
- Counterpoise packed
- Adapters packed
- Analyzer packed
- Logging device charged
- Food and water packed
- First aid kit present
- Sidearm and spare magazine present

Field Deployment Sequence

1. Select operating location.
2. Deploy mast or support.
3. Install antenna.
4. Deploy counterpoise.
5. Connect feedline.
6. Install choke if used.
7. Connect analyzer.
8. Verify resonance.
9. Connect radio.
10. Verify battery voltage.
11. Begin logging and operation.

Troubleshooting Flow

- High SWR → Check antenna length and counterpoise
- No transmit power → Verify mode, power setting, battery voltage
- RF in audio → Install or relocate choke
- Poor reports → Check coax, connectors, antenna height
- Digital modes fail → Verify audio device and CAT control

Teardown Checklist

- Stop logging
- Disconnect radio
- Disconnect battery
- Recover counterpoise
- Recover antenna
- Recover stakes and tie-outs
- Recover mast
- Inventory all gear
- Perform final site walk

Master Equipment Inventory

- TX-500
- IC-705
- FX-4CR
- LiFePO4 Battery
- Power cables
- 49:1 Transformer
- 9:1 Unun
- 1:1 Choke
- 41' Wire
- 59' Wire
- Counterpoise
- Analyzer
- Tuner
- Coax
- Adapters
- Throw weight
- Launcher
- Laptop
- iPad
- Headset
- Chair
- Table
- Food
- Water